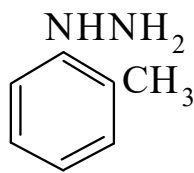




>>Entry Name: (2-Methylphenyl)hydrazine, 9Cl

Synonym(s): *o*-Tolylhydrazine, 8Cl. *o*-Hydrazinotoluene



CAS Registry Number: 529-27-1

Related CAS Registry Numbers(s): 123334-17-8

Molecular Formula: C₇H₁₀N₂

Molecular Weight: 122.169

Accurate Mass: 122.084398

Percentage Composition: C 68.82%; H 8.25%; N 22.93%

Melting Point: Mp 59°

pKa Value: pK_a 5.32

>>Derivative: Hydrochloride (1:2)

CAS Registry Number: 635-26-7

Melting Point: Mp 190 dec.°

Aldrich: 28190-5

Fluka: 90100

Rare Chemicals Library: S26439-3

>>Derivative: 2-*N*-Formyl

Molecular Formula: C₈H₁₀N₂O

Molecular Weight: 150.18

Accurate Mass: 150.079313

Percentage Composition: C 63.98%; H 6.71%; N 18.65%; O 10.65%

Physical Description: Plates (H₂O)

Melting Point: Mp 120°

>>Derivative: 2-*N*-Ac

Molecular Formula: C₉H₁₂N₂O

Molecular Weight: 164.207

Accurate Mass: 164.094963

Percentage Composition: C 65.83%; H 7.37%; N 17.06%; O 9.74%

Physical Description: Leaflets (H₂O)

Melting Point: Mp 104°

>>Derivative: 2-*N*-Benzoyl

Molecular Formula: C₁₄H₁₄N₂O

Molecular Weight: 226.277

Accurate Mass: 226.110613

Percentage Composition: C 74.31%; H 6.24%; N 12.38%; O 7.07%

Melting Point: Mp 180°

>>Derivative: 2-*N*-Ph

References:

Kaufmann, T. *et al.*, *Chem. Ber.*, 1969, **102**, 3088, (*synth*)